

Wisacwis County Interface Database

Installation and Configuration Guide

Table of Contents

Overview	3
Oracle 9i Lite	4
Obtaining the software	4
Download	4
Oracle provides a pack of CDs that contain their products.....	4
Setup.....	5
File Locations	6
Source.....	6
Destination.....	6
Installation Types	7
Post Installation Verification	13
Java Runtime Environment (JRE)	14
Setup.....	14
License Agreement.....	15
Post installation verification	16
Wisacwis Replicator	17
Installation	17
Testing the Installation	20
Resolving Installation Problems	21

Overview

This document provides step-by-step instructions for how to install and configure the Wisacwis County interfaces.

There are several components that need to be installed individually:

- VPN Client
- Oracle Lite Database
- Java Runtime Environment
- WisacwisReplicator Java Client

All components need to be installed on the same physical machine. Ideally, this machine should be dedicated to the Wisacwis interfaces and not used for other purposes; otherwise installation, configuration and on-going support may be difficult to provide.

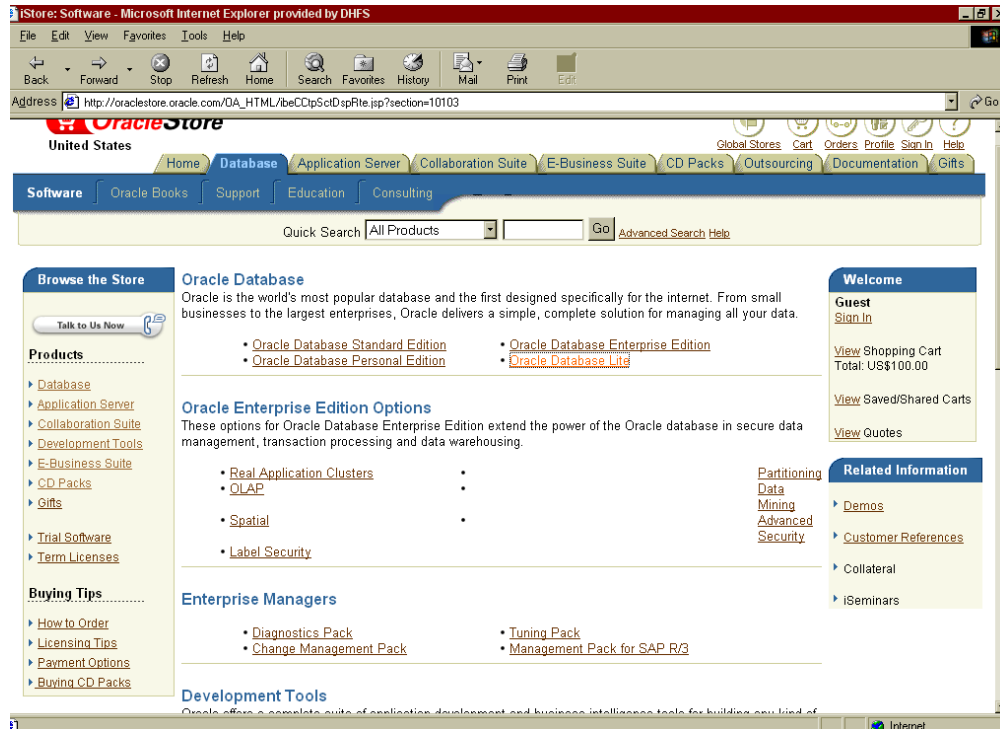
Refer to the “VPN Install Guide” for detailed installation and configuration instructions for the VPN client.

Oracle 9i Lite

Obtaining the software

Download

The latest version of Oracle Lite software can easily be purchased and downloaded from Oracle's website –



<http://oraclestore.oracle.com>.

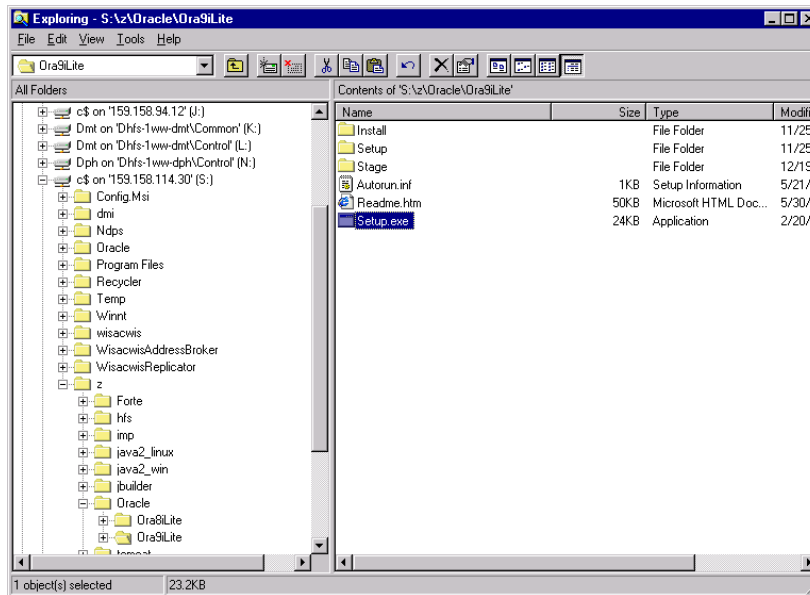
A license **must** be purchased in addition to downloading the software (The license can be purchased online.) Each user that will use/connect to the Oracle Lite database must have their own version of Oracle Lite installed locally and licensed, even if they are connecting via ODBC to a networked Oracle Lite database. The ODBC driver for Oracle Lite cannot be purchased/installed separately from the database engine software.

Oracle provides a pack of CDs that contain their products.

Release 2 (9.2.0.1.0) CD

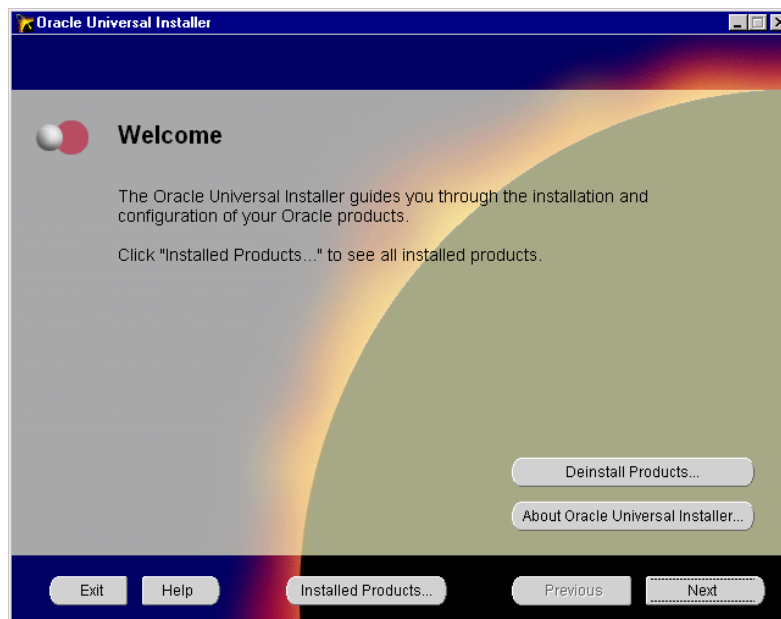
(current version containing the Oracle9I Lite software as of 2/25/03).

Setup



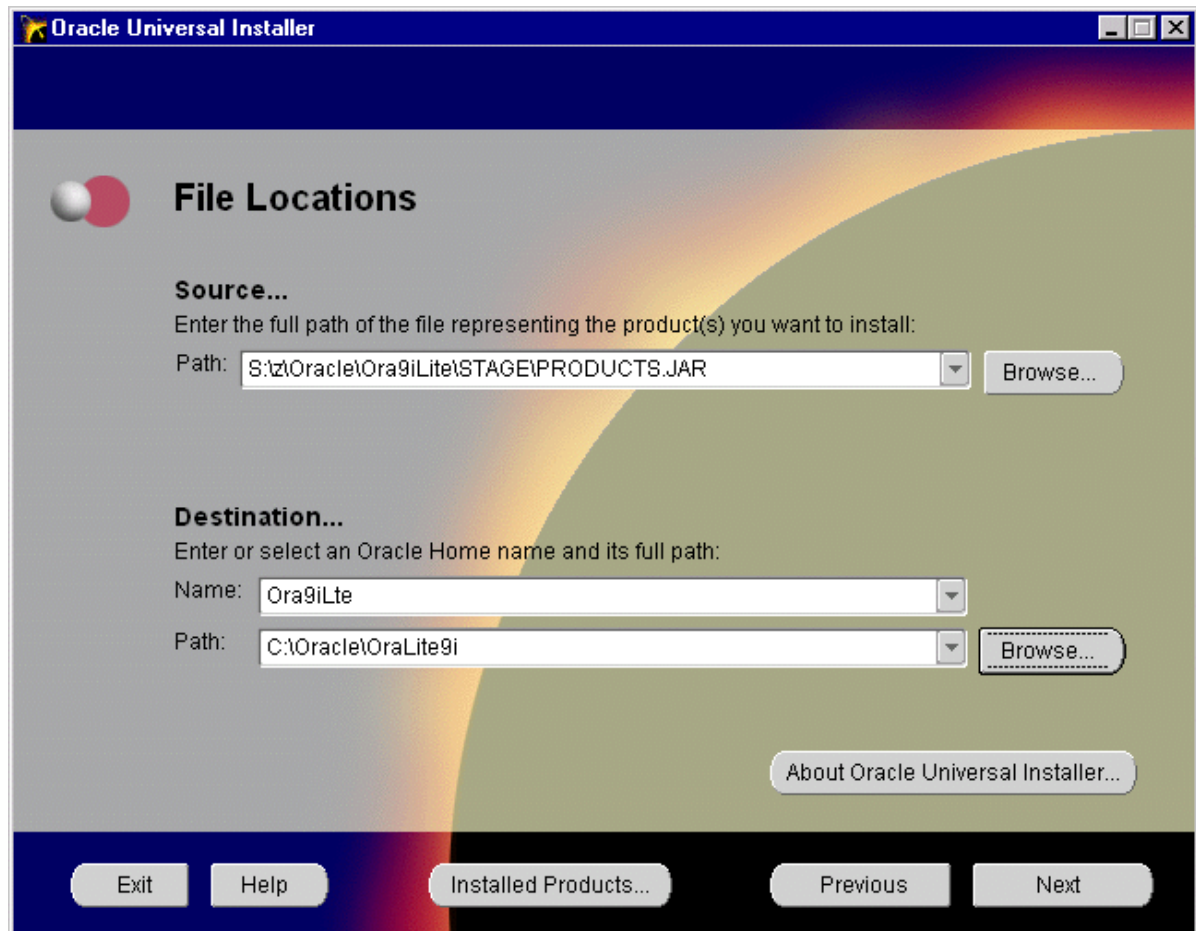
Oracle Lite is a complete mobile database and application solution for Oracle. Only the database engine is required for the Wisacwis interface and most of the components included with Oracle Lite should not be installed.

Run the “setup.exe” from the CD or location where the software was downloaded to.



Select “Next” button

File Locations



Source...

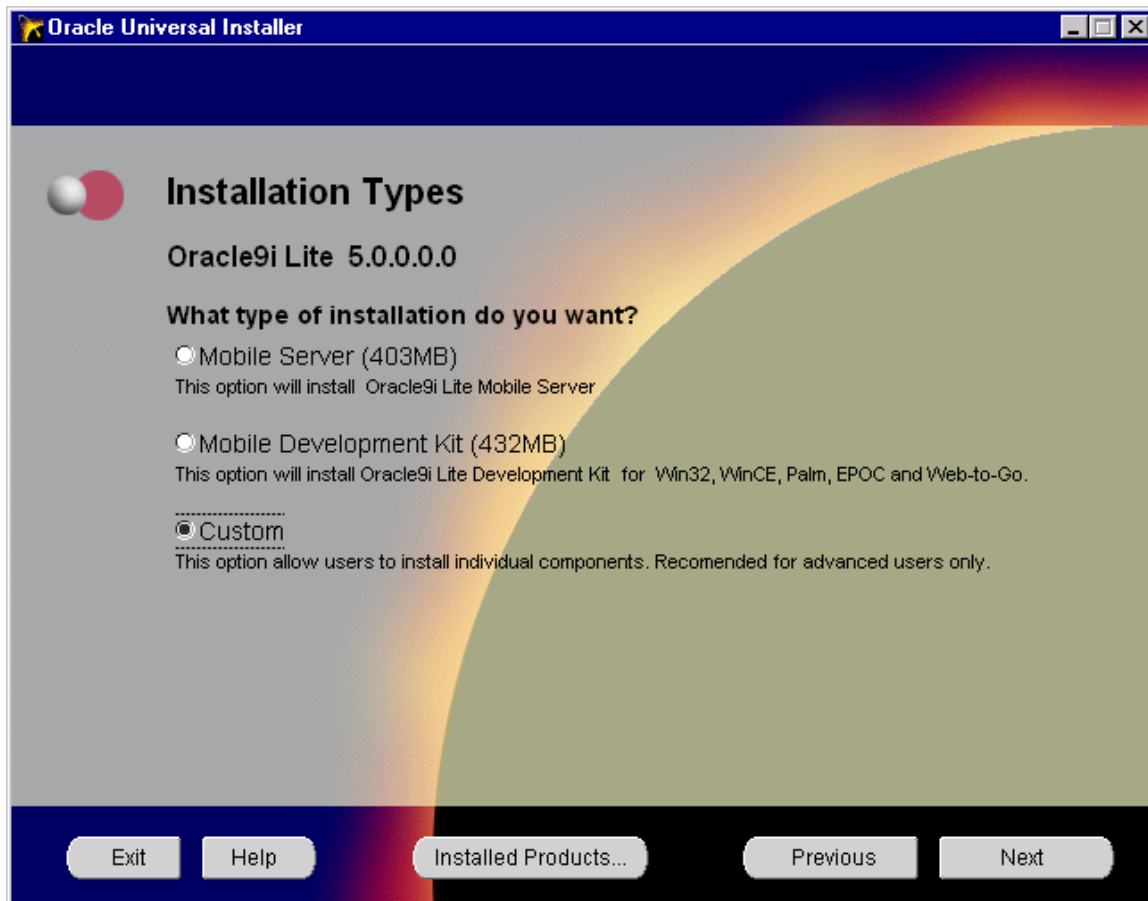
This should default to the CD or download location – do **not** change this.

Destination...

Enter Name: **Ora9iLte**

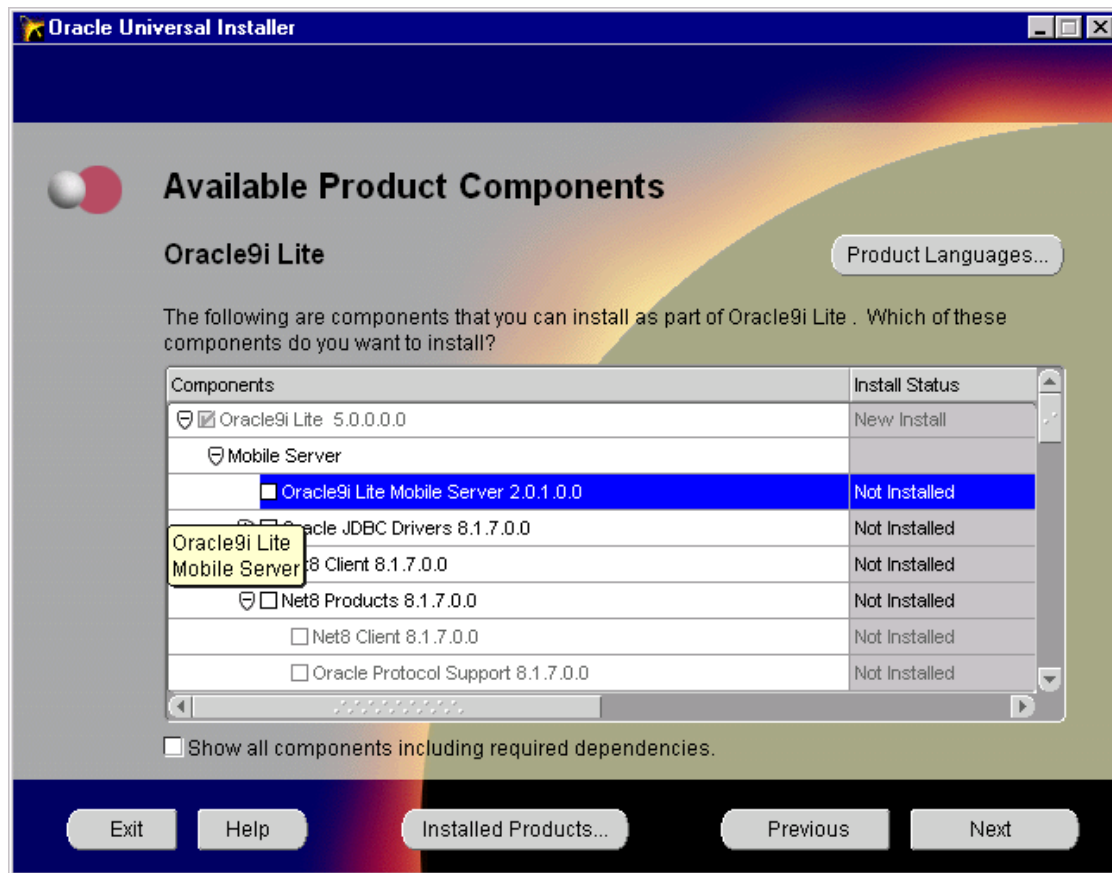
Path: Enter a path or browse to a folder – you may be prompted to create the folder if it does not exist – respond “OK”.

Installation Types

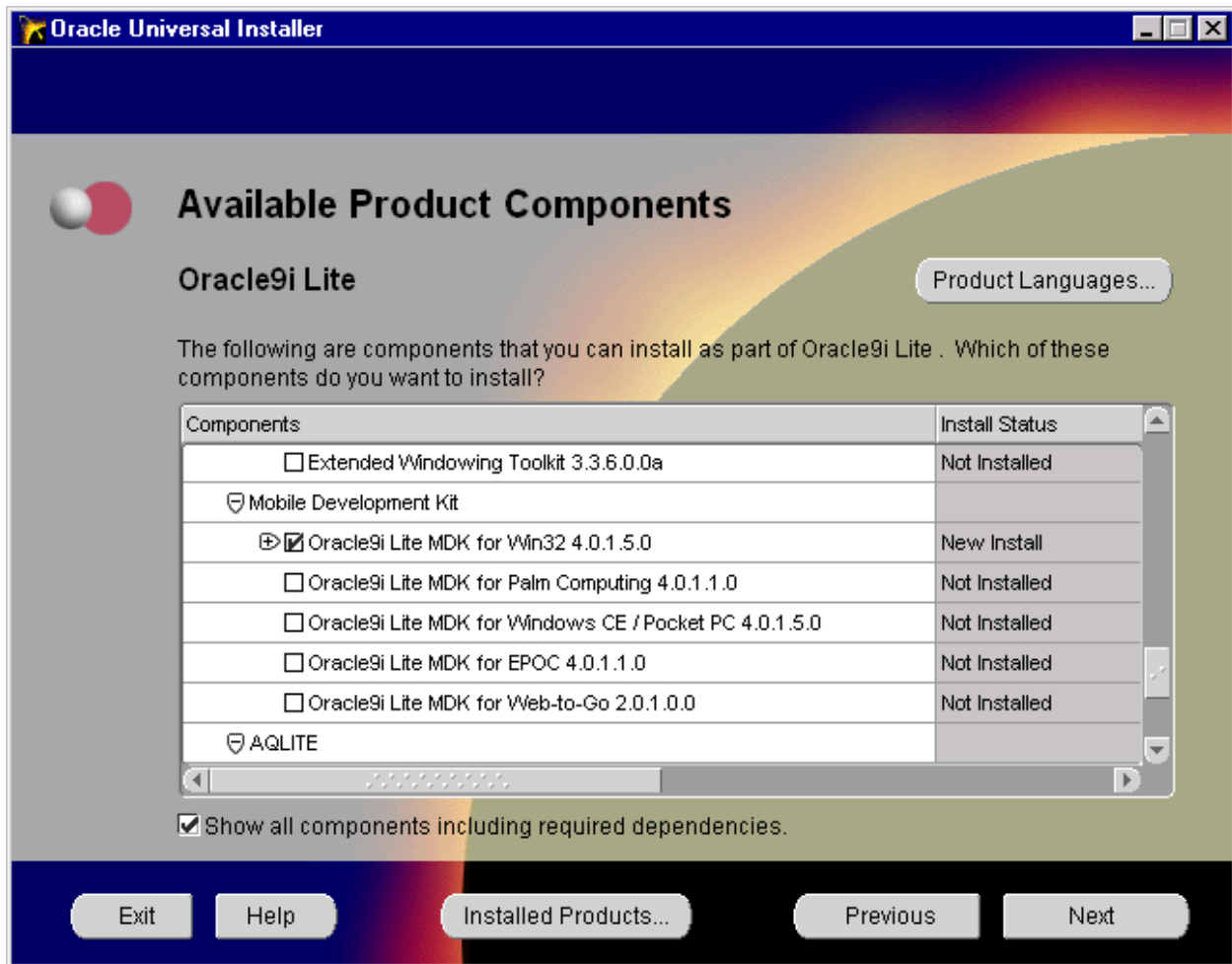


Select "Custom" then "Next" button

Products

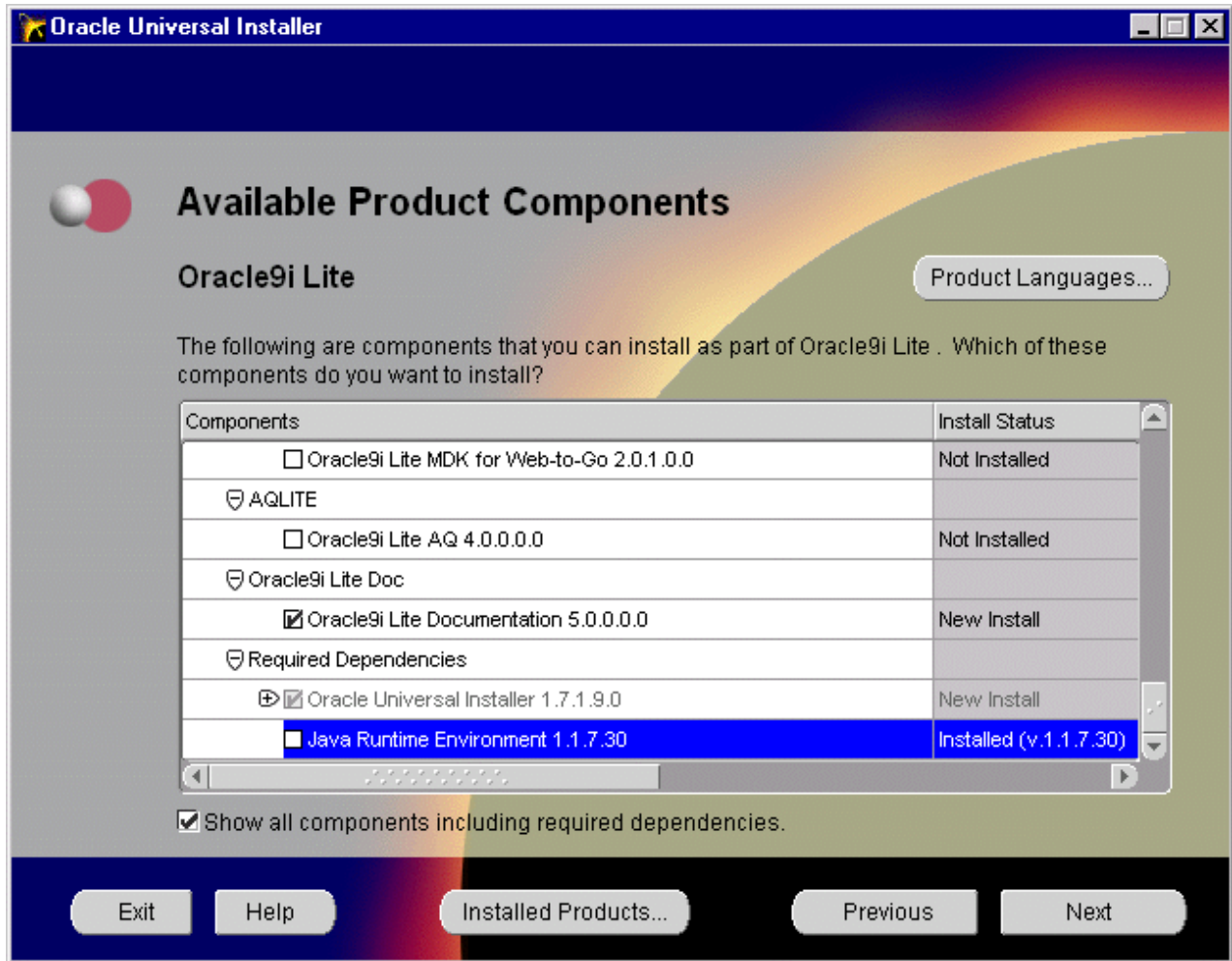


Unselect **ALL** check boxes that were selected by default. (The first check box is disabled and cannot be unselected.)



Select the following items to be installed:

- ✓ Mobile Development Kit – Oracle 9i Lite MDK for Win32
- ✓ Oracle 9i Lite Documentation (Optional)

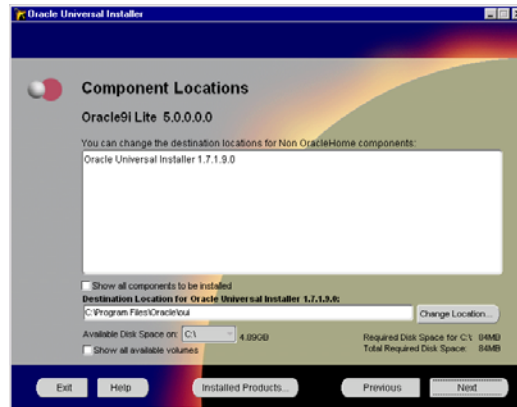


Select “Show all components including required dependencies”.

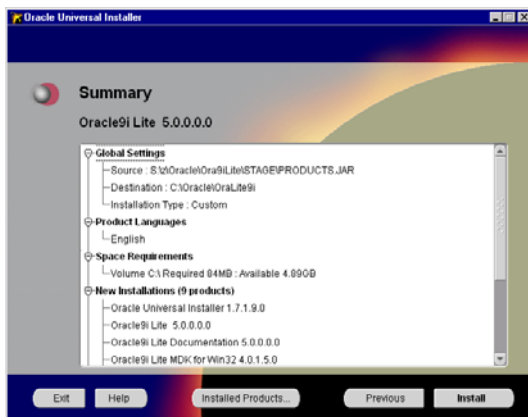
Scroll to the bottom of Component list and ensure that “Java Runtime Environment 1.1.7” has **not** been selected for installation. If this checkbox is disabled (gray) just ignore it.

Click “Next” button.

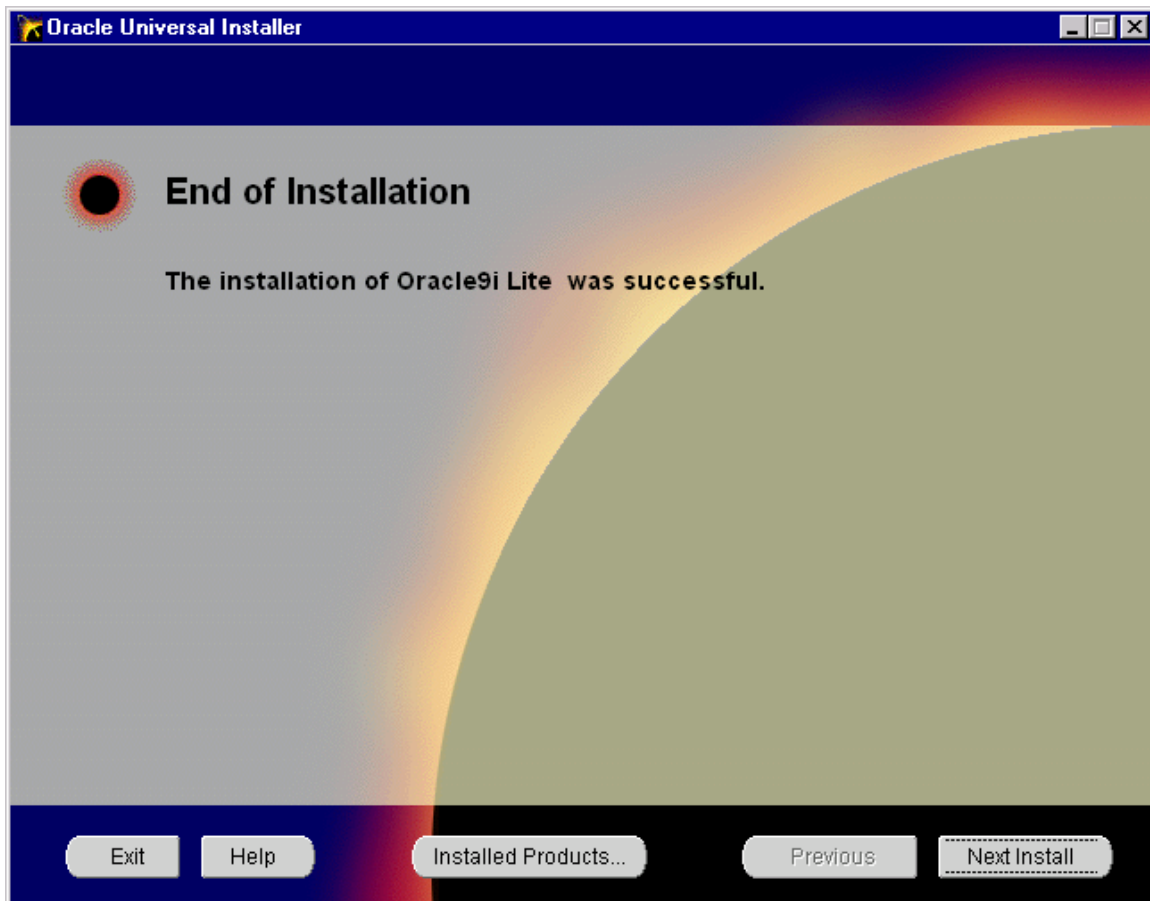
Accept the default “Component Locations” and click “Next” button.



Review the installation summary then click “Install” button to proceed with the installation.



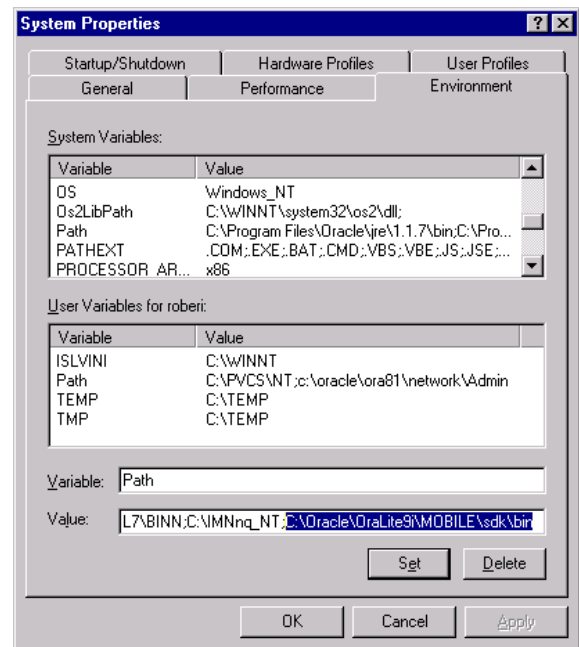
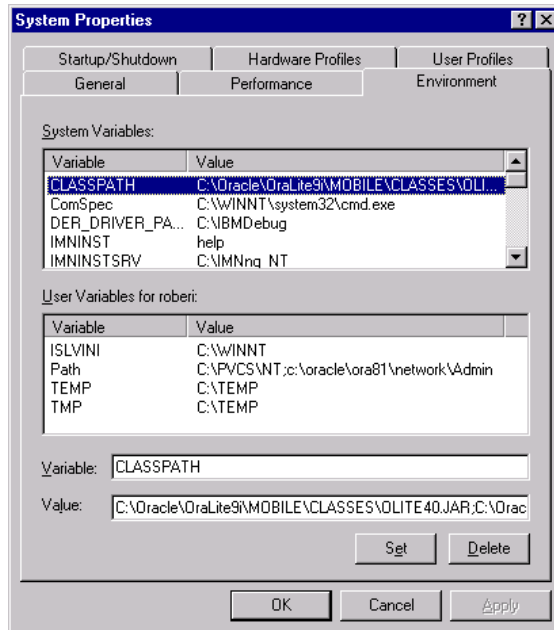
Wait while the software is installed...



The software should have installed successfully – click the “Exit” button and confirm to quit the installer.

Re-boot the system.

Post Installation Verification

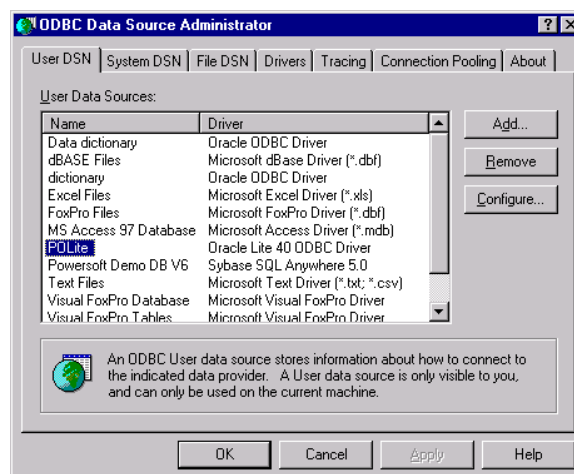


Go to “My Computer”, right-click and select “Properties” from the pop-up context menu.

Select “Environment” tab:

Verify that the system Java CLASSPATH variable contains “...\MOBILE\CLASSES\OLITE40.JAR”.
Verify that the system variable “Path” contains “...\MOBILE\Sdk\bin”

Do not set the CLASSPATH or PATH on the User variables – it must be the system variables.

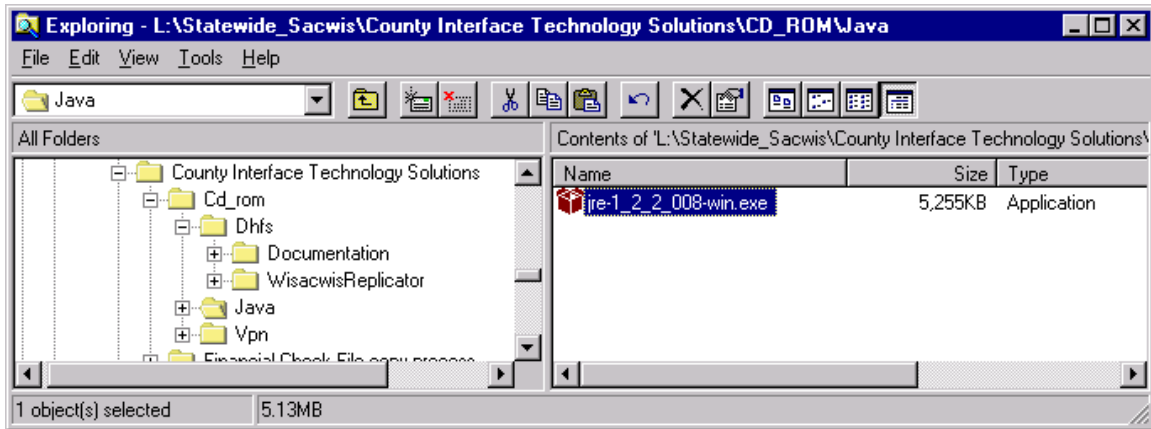


Go to Start menu*Settings*Control Panel then open the ODBC Data Sources. Verify that the default ODBC datasource was created. It is called POLite and uses the Oracle Lite 40 ODBC driver.

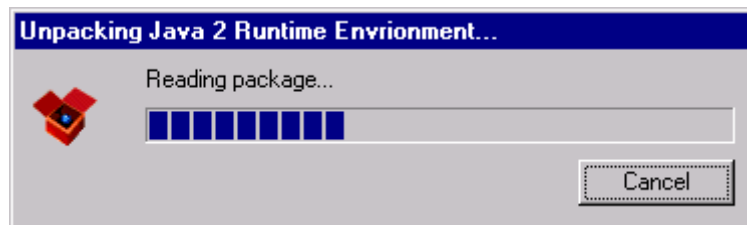
Java Runtime Environment (JRE)

The JRE is needed to run Java applications like the WisacwisReplicator client. It is included in the installation packet but can also be downloaded from Sun's web site for free.

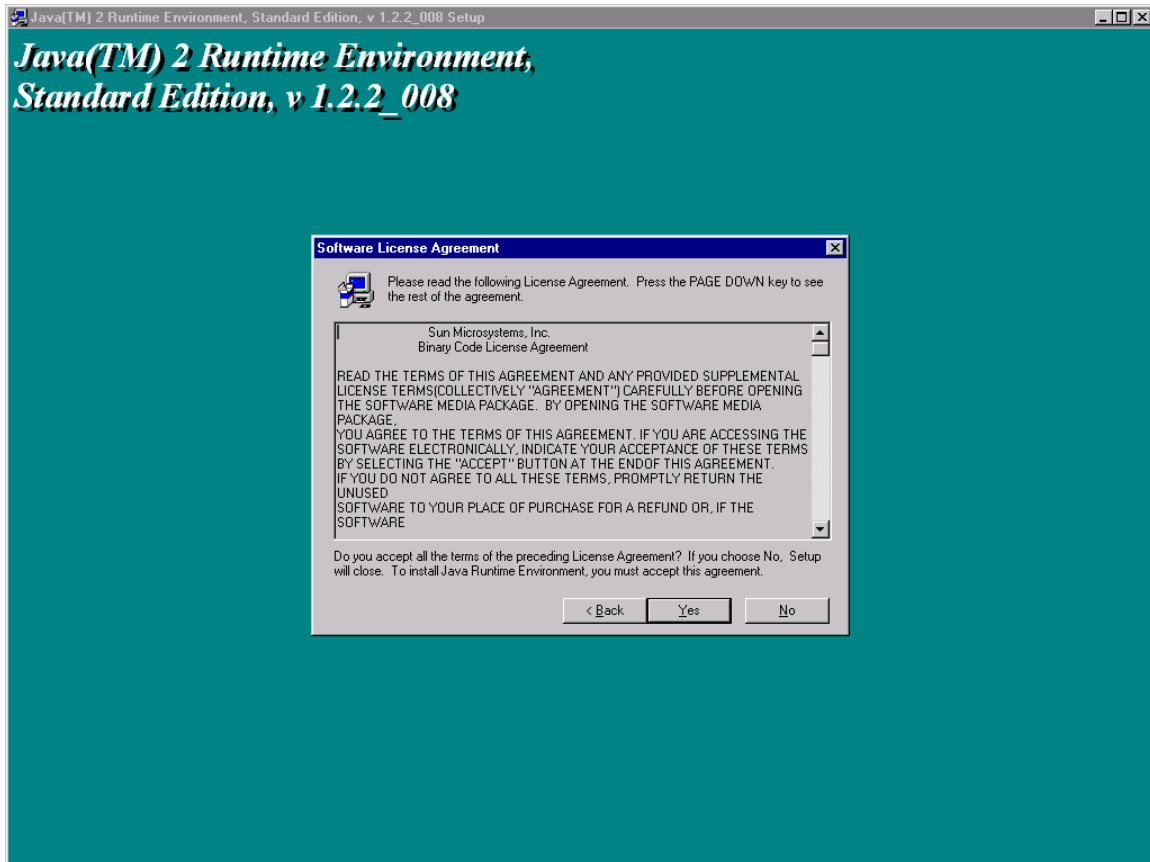
Setup



Run **jre-1_2_2_008-win.exe** to start the setup process. Wait (5-15 seconds) while the setup process initializes...



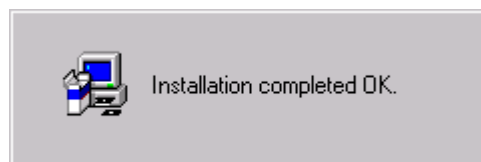
License Agreement



Click Yes button to proceed.

Accept default install location and click Next button to start the installation.

Wait while components are installed...

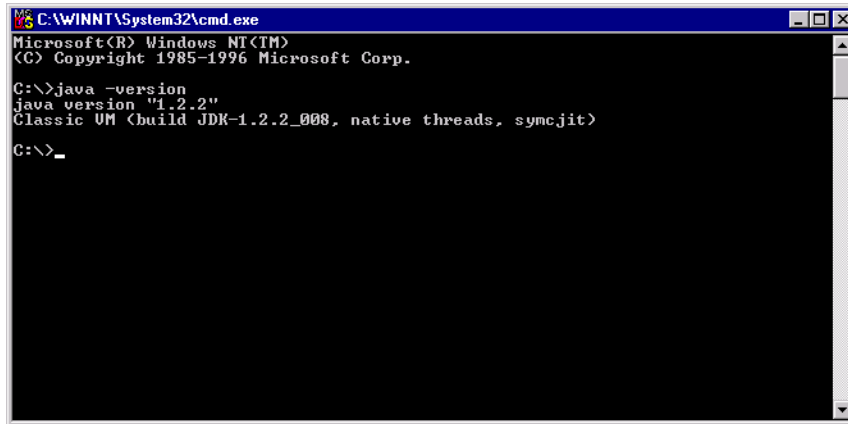


Post installation verification

Open a DOS command window and verify that Java is the correct version. Run from the command prompt:

```
java -version
```

The version reported should be 1.2.2.



```
C:\WINNT\System32\cmd.exe
Microsoft(R) Windows NT(TM)
(C) Copyright 1985-1996 Microsoft Corp.

C:\>java -version
java version "1.2.2"
Classic VM (build JDK-1.2.2_008, native threads, syncjit)

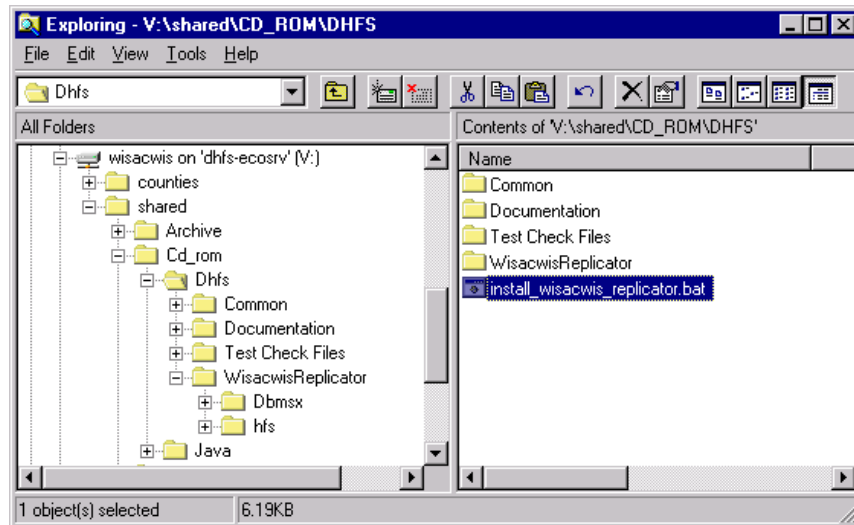
C:\>_
```

If it was not the expected version, check that no other Java version is in the system path. If so then remove it from the path.

Wisacwis Replicator

The WisacwisReplicator is a Java application that will copy county specific data from the central State Oracle database to the county Oracle Lite database.

Installation



```

C:\WINNT\System32\cmd.exe - install_wisacwis_replicator

*****
Install Wisacwis Replicator U1.1.2x
*****

Usage:

install_wisacwis_replicator county_name [UPN_profile] [install_drive] [install_dir] [vpn_client_path]

The default install location is C:\WisacwisReplicator.

county_name is your county name <Must be one complete word>.
UPN_profile is the name of the UPN client profile <.pcf>.
install_drive is the drive to install to.
install_dir is the directory to install to - must begin with a \.
vpn_client_path is the full path to the vpn client exe.

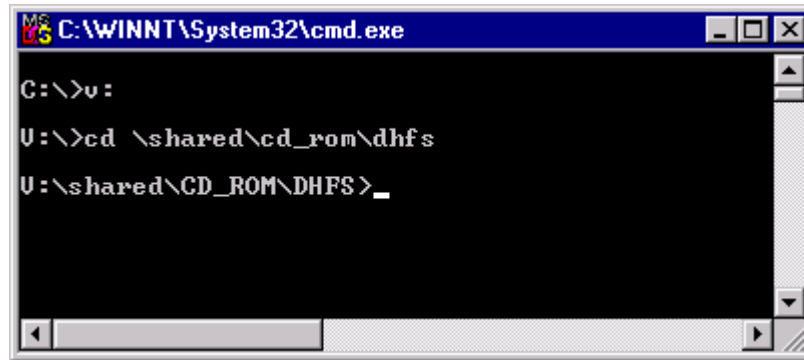
Note: There is a space between the drive and directory parameters.
      Do not write them as one continuous path.

Example:

install_wisacwis_replicator dane
install_wisacwis_replicator LaCrosse DHFSNT D: \local\programs "C:\program files\UPN\UPNclient.exe"
Press any key to continue . . .

```

Open a DOS command prompt window and set the current directory to the installer directory (V: is the drive we mapped to the VPN Server):



Run the `install_wisacwis_replicator.bat` file from a DOS command line, you will need to pass the install program the name of your county. The county name must be one word (eg. Dane, LaCrosse, FondDuLac) The install program will copy the required files to the local system.

If you are not using the default VPN connection profile then the install program also needs the name of your custom profile. The default profile name is "DHFSNT", but you may have created a custom profile to enable split-tunneling. The VPN profile is stored in a folder [vpn client install location]\Profiles and has a .PCF extension – do not include the .PCF extension when specifying the name.

The default installation location is `C:\WisacwisReplicator`; it is recommended that the default be used.

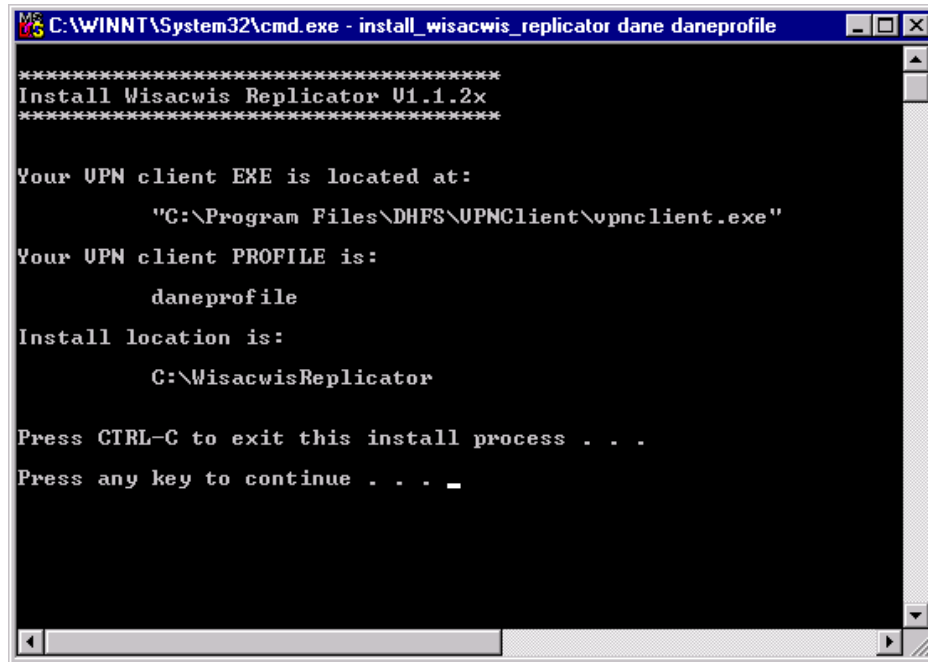
If an alternative location is desired then pass in the following parameters:

- Install drive. (eg D: - Default is C: - do **not** include a "\" on this)
- Install directory. (eg \programs – **must** start with a "\")
- The full path of the VPN client exe. (This is optional – specify if VPN Client was installed to a different location.)

Example installation commands:

```
install_wisacwis_replicator Lacrosse
install_wisacwis_replicator dane daneprofile
install_wisacwis_replicator green dhfsnt d: \ d:\pgm\vpnclient\vpnclient.exe
```

Check that the installation locations are correct and press any key to install – to quit the install process press CTRL-C and confirm the termination of the batch job.



```
C:\WINNT\System32\cmd.exe - install_wisacwis_replicator dane daneprofile

*****
Install Wisacwis Replicator U1.1.2x
*****

Your UPN client EXE is located at:

    "C:\Program Files\DHFS\UPNClient\vpncclient.exe"

Your UPN client PROFILE is:

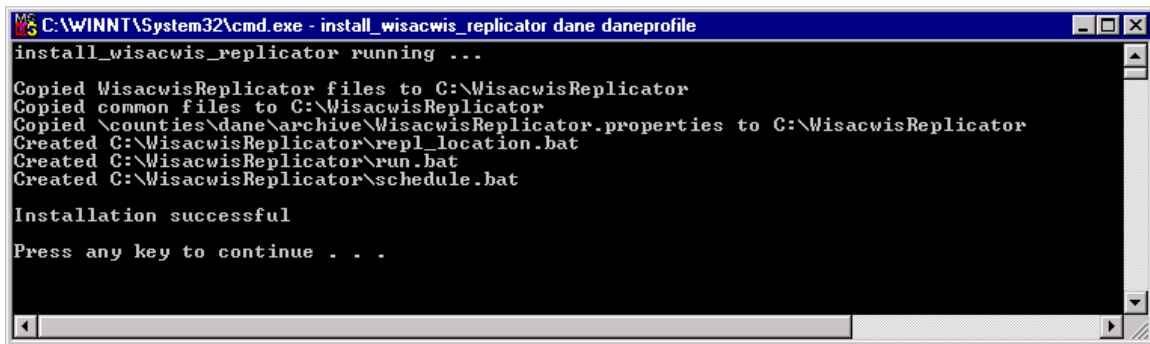
    daneprofile

Install location is:

    C:\WisacwisReplicator

Press CTRL-C to exit this install process . . .
Press any key to continue . . . _
```

Wait while files are installed then press any key to complete the installation.



```
C:\WINNT\System32\cmd.exe - install_wisacwis_replicator dane daneprofile

install_wisacwis_replicator running ...

Copied WisacwisReplicator files to C:\WisacwisReplicator
Copied common files to C:\WisacwisReplicator
Copied \counties\dane\archive\WisacwisReplicator.properties to C:\WisacwisReplicator
Created C:\WisacwisReplicator\repl_location.bat
Created C:\WisacwisReplicator\run.bat
Created C:\WisacwisReplicator\schedule.bat

Installation successful

Press any key to continue . . .
```

Testing the Installation

Test the Wisacwis Replicator configuration by running the test bat file. The test will connect to the central, State database and local, Lite database then display the date and time.

If there is a VPN connection to the DHFS network already established, run:

WisacwisReplicator**NoVPN**____TEST.bat

If no VPN connection exists, run the following to establish a connection and perform the test:

WisacwisReplicator**VPN**____TEST.bat

Check the **repl.log** file that was created in the ...\\WisacwisReplicator installation folder; it should look similar to the following:

```
c:\WisacwisReplicator;c:\WisacwisReplicator\classes12.zip;c:\Oracle\OraLite9i\MOBILE\CLASSES\OLITE40.JAR;c:\Oracle\
ora81\jdbc\lib\classes12.zip;
C:\WISACWISREPLICATOR NOVFN /TEST
Wisacwis Replicator Fri Jan 18 10:51:42 CST 2002:Wisacwis Replicator started Fri Jan 18 10:51:42 CST 2002
Wisacwis Replicator Fri Jan 18 10:51:42 CST 2002:Initializing hfs.dmt.bis.wisacwis.replicator.OracleLiteDB
Wisacwis Replicator Fri Jan 18 10:51:43 CST 2002:Connected to jdbc:Polite:Polite
Wisacwis Replicator Fri Jan 18 10:51:43 CST 2002:Initializing hfs.dmt.bis.wisacwis.replicator.OracleMasterDB
Wisacwis Replicator Fri Jan 18 10:51:45 CST 2002:Connected to jdbc:oracle:thin:@159.158.58.160:1521:repl
Wisacwis Replicator Fri Jan 18 10:51:45 CST 2002:

Hello from jdbc:Polite:Polite
The date and time is FRIDAY JANUARY 18 2002 10:51:45

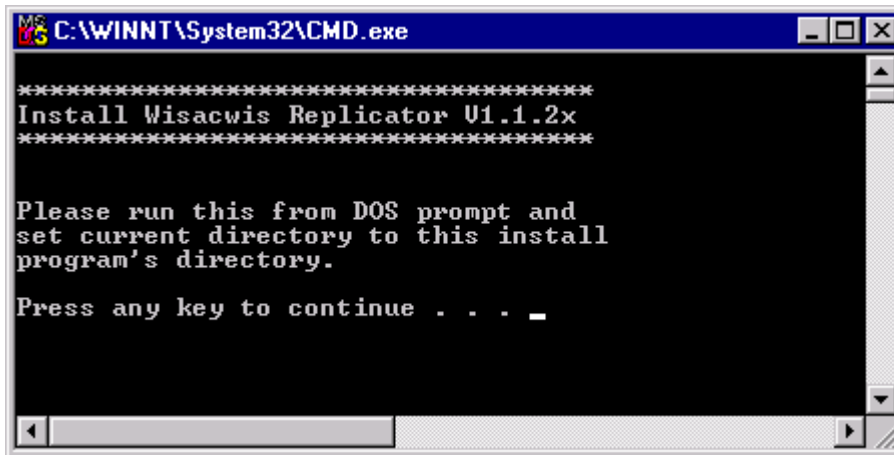
Wisacwis Replicator Fri Jan 18 10:51:45 CST 2002:

Hello from jdbc:oracle:thin:@159.158.58.160:1521:repl
The date and time is FRIDAY JANUARY 18 2002 10:55:15

Wisacwis Replicator Fri Jan 18 10:51:45 CST 2002:Status:Closing Wisacwis Replicator!
Wisacwis Replicator Fri Jan 18 10:51:45 CST 2002:hfs.dmt.bis.wisacwis.replicator.OracleLiteDB closed connection to
jdbc:Polite:Polite
Wisacwis Replicator Fri Jan 18 10:51:45 CST 2002:hfs.dmt.bis.wisacwis.replicator.OracleMasterDB closed connection
to jdbc:oracle:thin:@159.158.58.160:1521:repl
```

Resolving Installation Problems

Here are some typical problems that occur when installing the WisacwisReplicator and how to fix them.

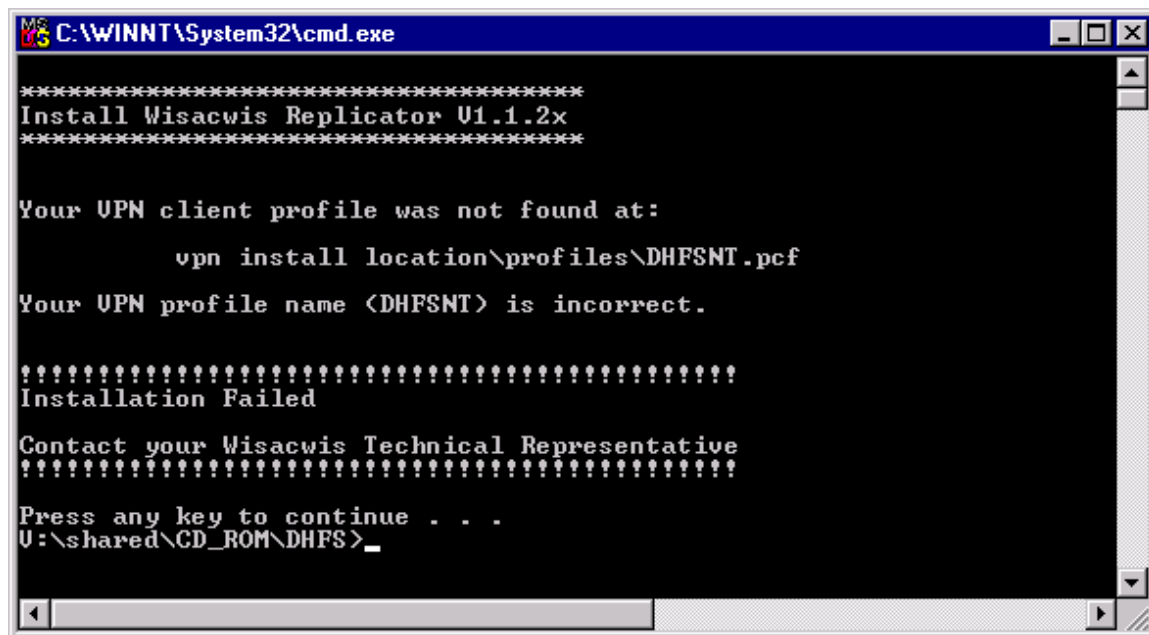


```
*****
Install Wisacwis Replicator U1.1.2x
*****

Please run this from DOS prompt and
set current directory to this install
program's directory.

Press any key to continue . . . _
```

The installer must be run from a DOS command prompt and current directory needs to be the installer directory. The installer was probably run by double-clicking from the Windows Explorer.



```
*****
Install Wisacwis Replicator U1.1.2x
*****

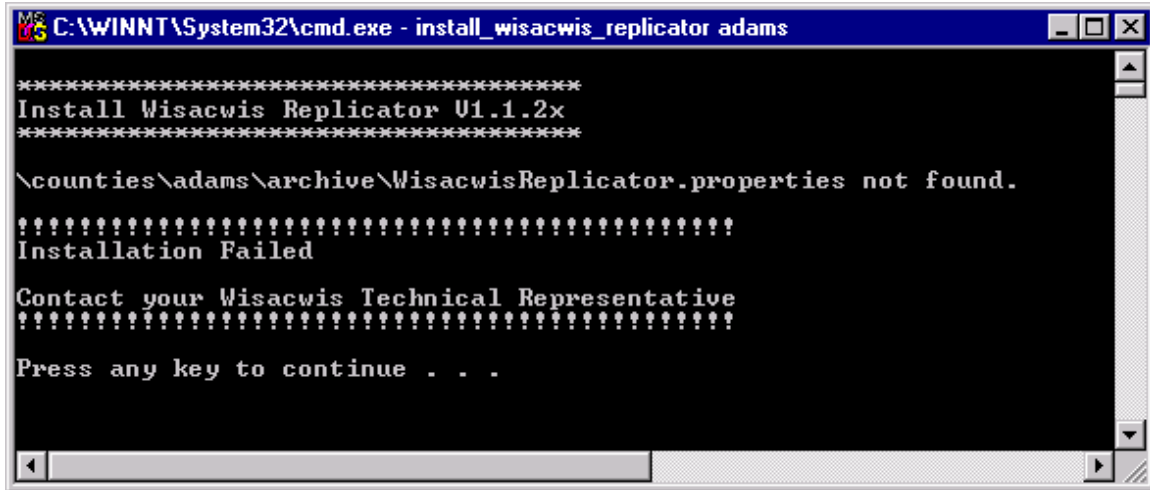
Your VPN client profile was not found at:
      vpn install location\profiles\DHFSNT.pcf
Your VPN profile name <DHFSNT> is incorrect.

*****
Installation Failed
*****

Contact your Wisacwis Technical Representative
*****

Press any key to continue . . . _
U:\shared\CD_ROM\DHFS>_
```

The installer was unable to find the VPN client connection profile. The default profile is called DHFSNT.PCF. If, when you installed the VPN client, you created a custom profile for split-tunneling then you need to pass the profile name to the installer as the second command-line parameter.



```

C:\WINNT\System32\cmd.exe - install_wisacwis_replicator adams

*****
Install Wisacwis Replicator U1.1.2x
*****

\counties\adams\archive\WisacwisReplicator.properties not found.

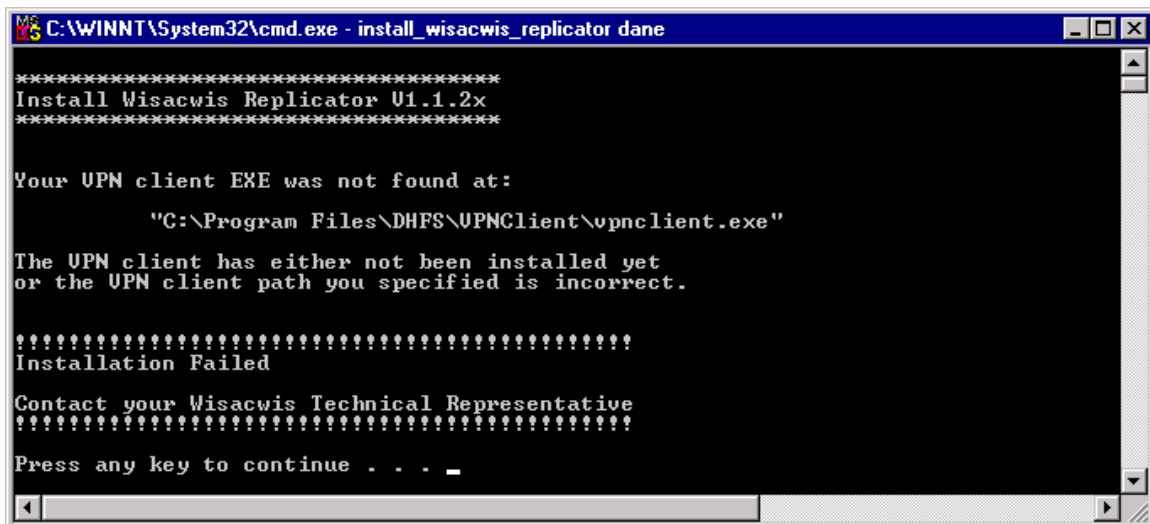
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Installation Failed

Contact your Wisacwis Technical Representative
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Press any key to continue . . .

```

Each county receives a custom property file to run the replicator. This file is stored on the VPN server in the \counties\countyName\Archive folder. The file cannot be found, has been renamed or deleted. Contact your Wisacwis technical representative to have them create a new property file for you.



```

C:\WINNT\System32\cmd.exe - install_wisacwis_replicator dane

*****
Install Wisacwis Replicator U1.1.2x
*****

Your UPN client EXE was not found at:
      "C:\Program Files\DHFS\UPNClient\vpnclient.exe"

The UPN client has either not been installed yet
or the UPN client path you specified is incorrect.

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Installation Failed

Contact your Wisacwis Technical Representative
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Press any key to continue . . .

```

The VPN client could not be found. Check the installation path and add it to the command-line parameters.